AMENDMENT

In the Specification:

Prior to page 1, where the text of the application begins, please delete the double-sided cover page from the PCT stage if necessary.

At page 1, after the title, please delete the single paragraph at lines 4-7 and replace the deleted single paragraph with the following two paragraph replacement section with a subheading:

The present application is a nationalization of International Patent Application PCT/NZ00/00179, filed September 14, 2000, which claims priority to New Zealand priority Application 337792, filed September 14, 1999.

Field of the Invention

The present invention concerns a novel method of nuclear transfer, specifically, although by no means exclusively for use in cloning technologies for the production of mammalian embryos, fetuses and offspring, including genetically engineered or transgenic mammalian embryos, fetuses and offspring.

After page 46, please start another page (47), and insert the following heading and the following text of the Abstract, as taken from the cover page of the PCT application:

ABSTRACT

The present invention provides a method of nuclear transfer by selecting and segregating G1 cells from a donor cell population. This method is advantageous over the prior art as it provides certainty as to the stage of the cell cycle which the donor nuclei are in and allows for the production of cloned transgenic or non-transgenic embryonic cells, reconstituted embryos and whole animals for agricultural, pharmaceutical, nutraceutical and biomedical applications.

